

STANDARD BAR SPLICER ASSEMBLY

	Minima	um Lap Leng	ths		
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5''	1'-11''	2'-1''	2'-4''	2'-3"
5	1'-9''	2'-5"	2'-7''	2'-11''	2'-10''
6	2'-1"	2'-11''	3'-1"	3'-6''	3'-4''
7	2'-9"	3'-10''	4'-2''	4'-8''	4'-6''
8	3'-8''	5′-1′′	5′-5″	6'-2''	5′-10′′
9	4'-7"	6'-5''	6′-10′′	7′-9′′	7′-5′′

Table 1: Black bar, 0.8 Class C

Table 2: Black bar, Top bar lap, 0.8 Class C

Table 3: Epoxy bar, 0.8 Class C

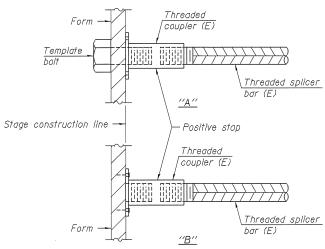
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + l_2''' + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

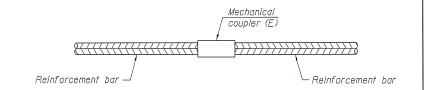
Location	Bar size	No. assemblies required	Table for minimum lap length
NA			
-			
			*



INSTALLATION AND SETTING METHODS

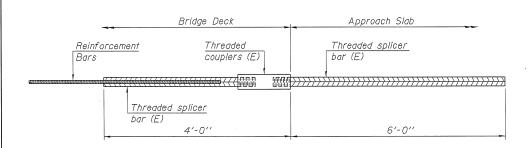
"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E): Indicates epoxy coating.



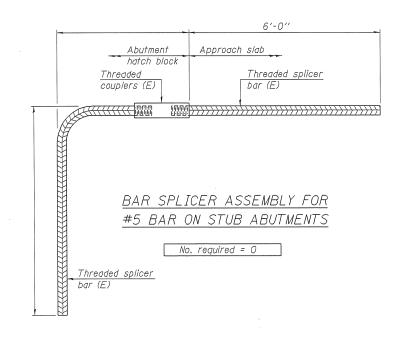
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
Pier 1	#5	28
Pier 2	#5	28



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required = 0



NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

FILE NAME =	USER NAME = \$USER\$	DESIGNED - ELH 09/10	REVISED -
\$FILEB\$	ESCA JOB NO. 933.12	CHECKED - MJW/RDP 09/10	REVISED -
	PLOT SCALE = \$SCALE\$	DRAWN - DWH/KAH 08/11	REVISED -
	PLOT DATE = \$DATE\$ \$TIME\$	CHECKED - ELH 08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS	F.A.P. RTE.	SECTION
STRUCTURE NO. 093-0026	332	(103B)B-1
SHEET NO. 16 OF 21 SHEETS		TI I TN

F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
332	(103B)B-1	WABASH	53	31
CONTRACT NO. 74220				4220
ILLINOIS FED. AID PROJECT				